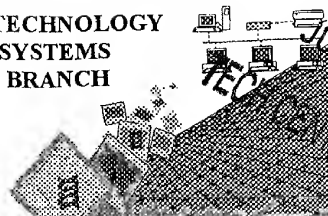


RAW SEQUENCE LISTING ERROR REPORT

BIOTECHNOLOGY
SYSTEMS
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/724,678C
Source: 1600
Date Processed by STIC: 6/11/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

Raw Sequence Listing Error Summary

RECEIVED
JUL 02 2002
TECH CENTER 1600/2900

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 09/724,678c

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000
- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.



1600

RAW SEQUENCE LISTING

DATE: 06/27/2002

PATENT APPLICATION: US/09/724,678C

TIME: 19:09:33

Input Set : N:\AMC\Sequence Listing.txt

Output Set: N:\CRF3\06272002\I724678C.raw

pp1-3
Does Not Comply
Corrected Diskette Needed

3 <110> APPLICANT: Lee, Kang-Hung
4 Bair, Chi-Horng
5 Tseng, Yang-Yuan
6 Wang, Yih-Weng
7 Wang, Shing-Hwan
9 <120> TITLE OF INVENTION: Methods for Detecting and differentiating Enteroviruses and
the Primers
10 and Probes Therefor
12 <130> FILE REFERENCE: TAI 3L6
14 <140> CURRENT APPLICATION NUMBER: 09/724,678C
15 <141> CURRENT FILING DATE: 2000-11-28
17 <160> NUMBER OF SEQ ID NOS: 16
19 <170> SOFTWARE: PatentIn version 3.1
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 16
23 <212> TYPE: DNA
24 <213> ORGANISM: synthetic construct
26 <400> SEQUENCE: 1
27 ttgttcgcct gtttta
30 <210> SEQ ID NO: 2
31 <211> LENGTH: 21
32 <212> TYPE: DNA
33 <213> ORGANISM: synthetic construct
35 <400> SEQUENCE: 2
36 caagcacttc tgthccccg g
39 <210> SEQ ID NO: 3
40 <211> LENGTH: 19
41 <212> TYPE: DNA
42 <213> ORGANISM: synthetic construct
44 <400> SEQUENCE: 3
45 tacttcgaga arccyagta
48 <210> SEQ ID NO: 4
49 <211> LENGTH: 17
50 <212> TYPE: DNA
51 <213> ORGANISM: synthetic construct
53 <400> SEQUENCE: 4
54 aagagyctat tgagcta
57 <210> SEQ ID NO: 5
58 <211> LENGTH: 20
59 <212> TYPE: DNA
60 <213> ORGANISM: synthetic construct
62 <220> FEATURE:
63 <221> NAME/KEY: misc_feature
64 <222> LOCATION: (3)..(3)

(global)
invalid response - see item 10 on Error
Summary Sheet

16
21
19
17

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/724,678C

DATE: 06/27/2002

TIME: 19:09:33

Input Set : N:\AMC\Sequence Listing.txt

Output Set: N:\CRF3\06272002\I724678C.raw

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65 <223> OTHER INFORMATION: n = inosine
68 <220> FEATURE:
69 <221> NAME/KEY: misc_feature
70 <222> LOCATION: (18)..(18)
71 <223> OTHER INFORMATION: n = inosine
74 <400> SEQUENCE: 5
75 ggntggtrst ggaarttncc 20
78 <210> SEQ ID NO: 6
79 <211> LENGTH: 19
80 <212> TYPE: DNA
81 <213> ORGANISM: synthetic construct
83 <400> SEQUENCE: 6
84 cacyggatgg ccaatccaa 19
87 <210> SEQ ID NO: 7
88 <211> LENGTH: 20
89 <212> TYPE: DNA
90 <213> ORGANISM: synthetic construct
92 <400> SEQUENCE: 7
93 attgtcacca taagcagcca 20
96 <210> SEQ ID NO: 8
97 <211> LENGTH: 20
98 <212> TYPE: DNA
99 <213> ORGANISM: synthetic construct
101 <220> FEATURE:
102 <221> NAME/KEY: misc_feature
103 <222> LOCATION: (6)..(6)
104 <223> OTHER INFORMATION: n = inosine
107 <220> FEATURE:
108 <221> NAME/KEY: misc_feature
109 <222> LOCATION: (18)..(18)
110 <223> OTHER INFORMATION: n = inosine
113 <400> SEQUENCE: 8
114 arrttnatcc aytgrtgngg 20
117 <210> SEQ ID NO: 9
118 <211> LENGTH: 27
119 <212> TYPE: DNA
120 <213> ORGANISM: synthetic construct
122 <400> SEQUENCE: 9
123 tcctccggcc cctgaatgcg gctaate 27
126 <210> SEQ ID NO: 10
127 <211> LENGTH: 33
128 <212> TYPE: DNA
129 <213> ORGANISM: synthetic construct
131 <400> SEQUENCE: 10
132 tgtcgtaacg sgcaastcyg yrgcgggaacc gac 33
135 <210> SEQ ID NO: 11
136 <211> LENGTH: 28
137 <212> TYPE: DNA
138 <213> ORGANISM: synthetic construct

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/724,678C

DATE: 06/27/2002

TIME: 19:09:33

Input Set : N:\AMC\Sequence Listing.txt

Output Set: N:\CRF3\06272002\I724678C.raw

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140 <400> SEQUENCE: 11
141 tactttgggt gtccgtgttt chttttat      28
144 <210> SEQ ID NO: 12
145 <211> LENGTH: 30
146 <212> TYPE: DNA
147 <213> ORGANISM: synthetic construct
149 <400> SEQUENCE: 12
150 cttataagca gactcaaccc ggtgctgatg      30
153 <210> SEQ ID NO: 13
154 <211> LENGTH: 28
155 <212> TYPE: DNA
156 <213> ORGANISM: synthetic construct
158 <400> SEQUENCE: 13
159 tggcattcca atatcacaat taacagtg      28
162 <210> SEQ ID NO: 14
163 <211> LENGTH: 30
164 <212> TYPE: DNA
165 <213> ORGANISM: synthetic construct
167 <400> SEQUENCE: 14
168 ctcggcacta tcgcaggagg gaccgggaat      30
171 <210> SEQ ID NO: 15
172 <211> LENGTH: 30
173 <212> TYPE: DNA
174 <213> ORGANISM: synthetic construct
176 <400> SEQUENCE: 15
177 cctacgccac tacacagcct ggtcaggttg      30
180 <210> SEQ ID NO: 16
181 <211> LENGTH: 1560
182 <212> TYPE: DNA
183 <213> ORGANISM: Enterovirus 71
185 <400> SEQUENCE: 16
186 ttaaaacagc tgtgggttgt caccaccca cagggtccac tgggcgctag tacactggta      60
188 tctcggtacc tttgtacgcc tgttttatac cccctccctg atttgcaact tagaagcaac      120
190 gcaaaccaga tcaatagtag gtgtgacata ccagtcgcat cttgatcaag cacttctgta      180
192 tccccggacc gagtatcaat agactgtgca cacggttgaa ggagaaaacg tccgttaccc      240
194 ggctaactac ttcgagaagc ctagtaacgc cattgaagtt gcagagtgtt tcgctcagca      300
196 ctccccccgt gtagatcagg tcgatgagtc accgcattcc ccacgggcga ccgtggcgg      360
198 ggctgcgttg gcggcctgcc tatggggtaa cccataggac gctctaatac ggacatggcg      420
200 tgaagagtct attgagctag ttagtagtcc tccggccccct gaatgcggct aatcctaact      480
202 ggggagcaca taccettaat ccaaagggca gtgtgtcgta acgggcaact ctgcagcga      540
204 accgactact ttgggtgtcc gtgtttcttt ttattcttgt attggctgct tatggtgaca      600
206 attaaagaat tgttaccata tagctattgg attggccatc cagtgtcaaa cagagctatt      660
208 gtatatctct ttgttgatt cacacctctc actcttgaaa cgttacacac cctcaattac      720
210 attatactgc tgaacacgaa gcgatgggct cccagggtctc cacacagcga tccggctcgc      780
212 atgagaattc caactcagcc acggaaggct ccactataaa ttacacaacc attaattact      840
214 acaaagactc gtatgctgcc actgctggaa agcaaagtct caaacaagat cctgacaagt      900
216 ttgcgaaccc tgtgaaggac atctttactg aaatggcagc gcccttaaag tctccctctg      960
218 ctgaagcatg tggctatagc gaccgagtgg cacagcttac cattggaaat tccaccatta      1020
220 ctacacaaga agcagcaaac ataatagttg ggtatggtga gtggccttca tactgctctg      1080

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RAW SEQUENCE LISTING

DATE: 06/27/2002

PATENT APPLICATION: US/09/724,678C

TIME: 19:09:33

Input Set : N:\AMC\Sequence Listing.txt

Output Set: N:\CRF3\06272002\I724678C.raw

222	ataatgatgc	aacagcggta	gacaaaccta	cacggcctga	tgtctcagta	aatagatddd	1140
224	acacgctaga	cactaagcta	tgggagaaat	catccaaggg	gtggtactgg	aagttcccag	1200
226	atgtactgac	tgaaaccgga	gttttttggtc	caaatgcaca	atttcactac	ttataccggt	1260
228	caggggttctg	catccacggt	caatgtaacg	ctagcaaatt	tcaccaaggg	gcgctactcg	1320
230	ttgcggtatt	gcccagagtat	gtcattggaa	cagtggcagg	cggcacaggc	acagagaaca	1380
232	gtcaccctcc	ttataaaca	acccaacccg	gcgctgatgg	atttgaatta	caacatccat	1440
234	atgttcttga	tgctggaatt	ccaatatctc	agttgacagt	gtgccctcac	cagtggatca	1500
236	atttacgaac	caacaattgt	gccaccataa	tagtgccata	catgaacaca	ctaccttttg	1560

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/724,678C

DATE: 06/27/2002
TIME: 19:09:34

Input Set : N:\AMC\Sequence Listing.txt
Output Set: N:\CRF3\06272002\I724678C.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:5; N Pos. 3,18
Seq#:8; N Pos. 6,18